510(k) Summary of Safety & Effectiveness

SEP - 6 2005

Submitter

Vanguard Medical Concepts, Inc.

5307 Great Oak Drive Lakeland, FL 33815

Contact

Heather Crawford, RAC

Director of Regulatory Affairs

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Date

June 16, 2005

Device

- Trade Name: Vanguard Reprocessed External Fixation Devices
 - o EBI DFS Standard Fixator
 - o EBI DFS Small Fixator
 - o EBI DFS Distal Radius Fixator
 - o EBI DFS Hybrid Fixator
- Common Name: Reprocessed External Fixation Devices
- Classification: 21 CFR 888.3030
- Classification Name: Appliance, Fixation, Nail/Blade/Plate Combination, Multiple Component
- Product Code: KTT Class II

Predicate Devices

External Fixation Devices legally marketed by the following original equipment manufacturer:

Manufacturer	Trade Name	
EBI® Medical Systems, Inc.	DFS® Standard Fixator	
EBI® Medical Systems, Inc.	DFS® Small Fixator	
EBI® Medical Systems, Inc.	DFS® Distal Radius Fixator	
EBI® Medical Systems, Inc.	DFS® Hybrid Fixator	

Indications for Use

Reprocessed External Fixation Devices are intended for the treatment of bone conditions that can be corrected or improved by external skeletal traction or fixation, including osteotomy, arthrodesis, fracture and reconstructive surgery.

Contraindications

- External fixation devices are contraindicated in patients with mental or neurologic impairment that would interfere with cooperative postoperative
- These devices are not intended for attachment or fixation of screws to the spine.

510(k) Summary of Safety & Effectiveness, continued

Device Description

Vanguard Reprocessed External Fixation Devices are previously used non-invasive orthopedic devices that have been cleaned, inspected, tested, and packaged by Vanguard Medical Concepts, Inc. External fixation device systems are comprised of various elements that, when used in conjunction with one another, form bridge constructs to which anchoring screws, wires and/or pins may be attached. Bridge elements are designed to provide a framework for stabilization of bone fractures where soft tissue injury may preclude the use of other fracture treatments such as IM rods, casting or other means of internal fixation.

External fixation elements consist of components such as rails and modular rails, rail-to-rail couplings, rail-to-screw clamps, rail-to-clamp couplings, rail-to-clamp couplings, and clamp-to-clamp couplings. These components are provided in bulk, packaged in nylon pouches, non-sterile, with instructions for steam sterilization by the health care facility.

- Rods, Rails and Modular Rails ~ Straight rods and rails are external fixation devices of varying lengths (adjustable in the case of modular rods and rails) and dimensions that are used with rail-to-rail, rod-to-rail, rod/rail-to-ring, and rail-to-screw clamps by the surgeon to connect anchoring pins and screws together to form a rigid structure that immobilizes the affected bone or structures. Differences in the dimensions of the rods and rails allow accommodation of a broad range of fracture scenarios and applied loads. All rods and rails have a straight, solid design. These devices are typically constructed from one or more of the following materials: anodized aluminum and stainless steel.
- Rings and Ring Segments ~ Rings and ring segments are circular or semicircular segments manufactured to surround the area of attachment to bone located centrally in the ring. Various attachments are made to the rings or ring segments to stabilize bone fractures or to reduce or extend the length of bones. Tensioned wires or pins are commonly attached to rings and ring segments using clamps designed for this purpose. Multiple ring or ring segment constructs are used to stabilize and structurally support the anatomical structures being treated using a range of configurations and attachments and connectors. The rings and ring segments are manufactured in a range of diameters to allow selection of a size most appropriate to the anatomy and application needed. Rings and ring segments are typically manufactured from one or more of the following materials: anodized aluminum alloys, steel and stainless steel alloys or carbon fiber composites.

Continued on next page

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Device Description (continued)

- Ring-to-Rod/Rail Clamps ~ Ring-to-rod/rail clamps are utilized to connect a ring or ring segment to a rod/rail. These attachments are made to form an external fixator frame construct as required for the particular biomechanical needs of the procedure. Ring-to-rod/rail clamps are typically constructed from one or more of the following materials: anodized aluminum alloys, steel and/or stainless steel alloys and titanium alloys.
- Ring-to-Pin or Ring-to-Wire Clamps ~ Ring-to-pin or ring-to-wire clamps are utilized to connect an external fixation ring or ring segment to a pin or wire that is normally attached on one side of the ring, passed through the bone, and continue to an attachment point on the opposite side of the ring where they are affixed under tension to another ring to wire clamp. Ring-to-pin or wire clamps are used to secure the ring to a pin, wire or set of pins and wires that are anchored in the bone passing centrally through the external fixation ring. Ring-to-pin and ring-to-wire clamps are typically constructed from one or more of the following materials: anodized aluminum alloys, steel and/or stainless steel alloys and titanium alloys.
- Rod/Rail-to-Screw Clamps ~ Rod/Rail-to-screw clamps are utilized to connect an external fixation rail to a pin that is normally affixed to the bone. Rod/Rail-to-screw clamps are used to secure the rod/rail to a screw or set of screws that are anchored in the bone.

DFS System rod/rail-to-screw clamps are V-shaped to provide tri-planar compression on bone screws. Distraction components are affixed to certain models of DFS Distal Radius Fixator rod/rail-to-screw clamps to provide distraction capabilities on the distal fixator rail. The devices are typically constructed from one or more of the following materials: anodized aluminum and stainless steel.

- Rail-to-Rail Couplings ~ Rail-to-Rail couplings are multi-element components used to connect one rail to another in a range of positions defined by the individual clamp configuration. They are designed to interconnect a specific size or range of sizes of rails. These devices are typically constructed from one or more of the following materials: anodized aluminum and stainless steel.
- Rod-to-Rail Couplings ~ Rod-to-Rail couplings are multi-element components used to connect one rod to a rail in a range of positions defined by the individual clamp configuration. They are designed to interconnect a specific size or a range of sizes of rods and rails. These devices are typically constructed from one or more of the following materials: anodized aluminum and stainless steel.

Continued on next page

510(k) Summary of Safety & Effectiveness, continued

Device Description (continued)

- Rod-to-Rod Couplings ~ Rod-to-Rod couplings are multi-element components used to connect one rod to another in a range of positions defined by the individual clamp configuration. They are designed to interconnect a specific size or range of sizes of rods. The devices are typically constructed from one or more of the following materials: anodized aluminum and stainless steel.
- Rail-to-Clamp Couplings ~ Rail-to-clamp couplings are multi-element components used to connect one rail to a clamp in a range of positions defined by the individual clamp configuration. They are designed to interconnect a specific size or range of sizes of rails. The devices are typically constructed from one or more of the following materials: anodized aluminum and stainless steel.
- Rod-to-Clamp Couplings ~ Rod-to-clamp couplings are multi-element components used to connect one rod to a clamp in a range of positions defined by the individual clamp configuration. They are designed to interconnect a specific size or range of sizes of rods. The devices are typically constructed from one or more of the following materials: anodized aluminum and stainless steel.
- Clamp-to-Clamp Couplings ~ Clamp-to-clamp couplings are multi-element components used to connect one clamp to another in a range of positions defined by the individual clamp configuration. They are designed to interconnect a specific size or range of sizes of clamps. The devices are typically constructed from one or more of the following materials: anodized aluminum or stainless steel.

Technological

Vanguard Reprocessed External Fixation Devices are essentially identical to the Characteristics Original Equipment Manufacturer (OEM) devices. No changes are made to the currently marketed OEM device specifications and the Reprocessed External Fixation Devices possess identical technological characteristics.

Test Data

Cleaning, packaging, and performance testing demonstrate that the reprocessed devices perform as intended and are safe and effective.

Conclusion

Based upon the information provided herein and the 510(k) "Substantial Equivalence" Decision Making Process Chart, we conclude that Vanguard Reprocessed External Fixation Devices are substantially equivalent to their predicate devices under the Federal Food, Drug and Cosmetic Act.



Food and Drug Administration 9200 Corporate Boulevard Rockville MD 20850

SEP - 6 2005

Ms. Heather Crawford, RAC Director of Regulatory Affairs Vanguard Medical Concepts, Inc. 5307 Great Oak Drive Lakeland, Florida 33815

Re: K051616

Trade/Device Name: Vanguard Reprocessed External Fixation Devices (see attached list)

Regulation Number: 21 CFR 888.3030

Regulation Name: Single/multiple component metallic bone fixation

appliances and accessories

Regulatory Class: II

Product Codes: KTT, LXT Dated: June 16, 2005 Received: June 17, 2005

Dear Ms. Crawford:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the <u>Federal Register</u>.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Office of Compliance at (240) 276-0120. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR Part 807.97). You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address http://www.fda.gov/cdrh/industry/support/index.html.

Sincerely yours,

Mark N. Melkerson

Acting Director

Division of General, Restorative and Neurological Devices Office of Device Evaluation Center for Devices and

Radiological Health

Enclosure

PS4340: Appendix A: External Fixation Devices – EBI DynaFixTM DFSTM Standard Fixator Revision: NEW Effective: draft Page 1 of 16

Mat.(s)	Anodized Aluminum, Stainless Steel	(\$\dag{\alpha}\)	C 1.	Anodized Aluminum, Stainless Steel		Anodized Aluminum, Stainless Steel		Anodized Aluminum,
Donuscentative Image	So o (o o o o o o o o o o o o o o o o o			(a)	5	0	E	
Dynafix DFS Standard Fixator	Description DFS Standard Fixator Includes: DFS Std Fixator (01001), Modular C/D Mechanism 0-5cm (01150), End Cap (01175), 5mm Allen Wrench (03110)		Standard Fixator Complete - 5mm Allen Wrench (03110), C/D Mechanism 0-5cm (01150), End Cap (01175), Dynamization Component 0-5cm (01160)	L Telescoping Arm Complete 0-5cm	L Telescoping Arm 0-8cm	R Telescoping Arm Complete 0-5cm	R Telescoping Arm 0-8cm	L Male Stem 0-5cm
Dynafix D	Catalog # 01000	01001	01005	01010	01030	01020	01040	01045

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Catalog #	Description	Representative Image	Mat.(s)
Catalog #		のでは、これでは、これでは、これでは、これでは、これでは、これでは、これでは、これ	Stainless Steel
01055	L Male Stem 0-8cm		
			Anodized
01050	R Male Stem 0-5cm		Aluminum, Stainless Steel
01060	R Male Stem 0-8cm		
01070	Female Clamp Complete 0-5cm		Anodized Aluminum, Stainless Steel
01100	Female Clamp Complete 0-8cm	9	
01075	Female Clamp Base 0-5cm		Anodized Aluminum, Stainless Steel
01105	Female Clamp Base 0-8cm		
01080	Clamp Cover		Anodized Aluminum
01090	Locking Screw Set		Stainless Steel

PS4340: Appendix A: External Fixation Devices – EBI DynaFix^{тм} DFS^{тм} Standard Fixator Revision: NEW Effective: draft Page 3 of 16

Catalog #	Description	Representative Image	Mat.(s)
01175	End Cap		Anodized Aluminum
01110	DFS Central Body Component Includes: Inner Body Female Rotation Component (01130), Inner Body Male Rotation Component (01135), Left Dual Locking Connector (01120), Right Dual Locking		Anodized Aluminum, Stainless Steel
01115	Right Dual Locking Connector		Anodized Aluminum, Stainless Steel
01120	Left Dual Locking Connector	Left (01120) Right (01115)	
01145	Inner Body Rotation Component Kit Includes: Inner Body Female Rotation Component (01130), Inner Body Male Rotation Component (01135)	Male End	Anodized Aluminum, Stainless Steel
01130	Inner Body Female Rotation Component Taner Rody Male Rotation Component	r Body Rotation Comple	
01140	Locking Connector Bolt (pack of 4)		Stainless Steel
01160	Dynamization Component 0-5cm		Stainless Steel
01165	Dynamization Component 0-8cm		

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	D	Representative Image	Mat.(s)
Catalog # 01180	Modular C/D Mechanism 0-5cm		Stainless Steel
01185	Modular C/D Mechanism 0-8cm		
01430	Enhanced Access C/D Mechanism 0-5cm	C C	Stainless Steel, Anodized Aluminum
01435	Enhanced Access C/D Mechanism 0-8cm		
03140	Wrench for 01430 and 01435 Enhanced Access C/Ds	NO PHOTO AVAILABLE	Stainless Steel
01200	DFS Convergent T-Clamp Offset Includes: Left Clamp Body (1255), Parallel Clamp Cover (1270), Offset Clamp Body (1260), Clamp Cover Locking Bolt (01085)		Anodized Aluminum, Stainless Steel
01250	DFS Convergent T-Clamp Parallel Includes: Parallel Clamp Body (01265), Parallel Clamp Cover (01270), Clamp Cover Bolt (01085)		Anodized Aluminum, Stainless Steel
01255	Left Clamp Body		Anodized Aluminum, Stainless Steel

PS4340: Appendix A: External Fixation Devices – EBI DynaFixTM DFSTM Standard Fixator Revision: NEW Effective: draft Page 5 of 16

		Representative Image	Mat(s)
Catalog #	Description	では、一般のでは、一般のでは、一般のでは、これをは、これをは、これをは、これをは、これをは、これをは、これをは、これを	Anodized
01260	Offset Clamp Body		Aluminum,
		002.0	Stainless Steel
		AS A DOVID DITT WITH SHAILOW SLOTS	Anodized
01265	Parallel Clamp Body	As Above bot with standard sector	Aluminum,
.			Stainless Steel
0.00	Danillal Clama Course	1000年100日,1000年100日,1000年10日,1000年10日,1000年10日,1000年10日,1000年10日,1000年10日,1000年10日,1000年10日,1000年10日	Anodized
012/0	Farallel Claimp Cover		Aluminum
		TO SERVICE SER	Anodized
01275	Offiset Clamp Cover		Aluminum
01300	DFS T-Clamp Complete		Anodized
	Includes: T-Clamp Body (01305), Clamp Cover		Stainless Steel
	(01080), T-Clamp Body (01085)	10 CZ 6483	
			Anodized
01305	T-Clamp Body		Aluminum,
.,	-	01100	Stainless Steel
01080	Clamp Cover	は一個などのでは、これでは、これでは、これでは、これでは、これでは、これでは、これでは、これ	Anodized

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7		Representative Image	Mat.(s)
01085	Clamp Cover Locking Bolt		Stainless Steel
01350	DFS Ankle Clamp		Anodized Aluminum, Stainless Steel
01400	DFS Angular Hinge Clamp		Anodized Aluminum, Stainless Steel
01450	Pivot Body with T-Clamp	SIMILAR TO ABOVE BUT ONLY SINGLE AXIS OF ROTATION	Anodized Aluminum, Stainless Steel

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		Representative Image	Mat.(s)
Catalog #	Description	The contract of the contract o	Anodized
01460	Pivot Body with Straight Clamp		Aluminum,
			Stainless Steel
			Anodized
01500	DFS Standard Fixator Supplemental Bone		Aluminum,
	Screw Clamp Includes: 150mm Rod (01515), Individual	Ω	Stainless Steel
01515	Supplemental Red 150mm		Stainless Steel
01520	Supplemental Rod 300mm		
01525	Individual Bone Screw Clamp		Anodized Aliminum.
			Stainless Steel
01700	Universal Ring Adapter-Style B, Includes		Anodized
	Adapter Clamp, Style A and B Bolt Sets	在 化二苯基酚 电线 计代码式 医甲基甲基苯基甲基苯基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲	Stainless Steel
0000	TT-: Adontar Style A Includes		Anodized
01/02	Adapter Clamp, Spacers (3), Style A Bolt Set	0	Aluminum,
			Andiness steel
01710	Universal Ring Adapter Clamp Spacers (3)		Allonized
	A Jessey Style A Head with	55 b.	Stainless Steel
01735	Adapter Clamp Bolt Set - Style A Cook with Drilled Ring		0,000
01740	Adapter Clamp Bolt Set - Style B Used with Solid Ring		Stainless Steel
			-

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Dvnafix D	Dynafix DFS Small Fixator	State Programme State Burners of State Sta	17
02000	DFS Small Fixator Complete – Includes: DFS Small Fixator (02001), C/D Mechanism 0-5mm (02148), Small End Cap (02175), 5mm Allen Wrench (03110)		Anodized Aluminum, Stainless Steel
02001	DFS Small Fixator – Includes: Small Central Body Component Complete (02110), Small L Telescoping Arm 0-3cm (02010), Small R Telescoping Arm 0-3cm (02020)		
02005	DFS Small Fixator Complete with Dynamization Component – Includes: C/D Mechanism 0-3cm (02180), Dynamization Component 0-3cm (02155), Small End Cap (02175), Smm Allen Wrench (03110)		
02010	1 1		Anodized Aluminum, Stainless Steel
02025	DFS Small L Telescoping Arm (0-5cm) Complete Includes:	(C)	
02020	DFS Small R Telescoping Arm (0-3cm) Complete Includes: 02055, 02040		
02026	DFS Small R Telescoping Arm (0-5cm) Complete Includes:		7
02030	DFS Small L Male Stem (0-3cm)		Anodized Aluminum, Stainless Steel
02045	DFS Small L Male Stem (0-5cm)		

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02040	DFS Small R Male Stem (0-3cm)		
02046	DFS Small R Male Stem (0-5cm)		
02050	Small L Female Clamp Complete (0-3cm) Includes:		Anodized Aluminum, Stainless Steel
02055	Small R Female Clamp Complete (0-3cm) Includes:	&	
02060	Small L Clamp Base (0-3cm)		Anodized Aluminum,
02065	Small R Clamp Base (0-3cm)	9	Stainless Steel
02078	Small Clamp Cover (0-3cm)		Anodized Aluminum
02070	Small Female Clamp Complete (0-5cm) Includes:	PHOTO SIMILAR TO 2050 BUT LONGER (AMBIDEXTROUS)	Anodized Aluminum, Stainless Steel
02075	Small Female Clamp Base (0-5cm)	PHOTO SIMILAR TO 2060 BUT LONGER (AMBIDEXTROUS)	Anodized Aluminum, Stainless Steel
02080	Small Clamp Cover (0-5cm)	PHOTO SIMILAR TO 2078 BUT LONGER	Anodized Aluminum
02085	Small Clamp Cover Locking Bolt		Stainless Steel
05090	Small Locking Set Screw		Stainless Steel

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		Aluminum
ody C	DFS Small Central Body Component Complete Includes: 02130, 02135, 02120, 02115	Anodized Aluminum, Stainless Steel
g Conr	Small R Dual Locking Connector Component Small L Dual Locking Connector Component	Anodized Aluminum, Stainless Steel
Small Inner Body Female Rotational Component Small Inner Body Male Rotational C	Small Inner Body Female Rotational Component Small Inner Body Male Rotational Component	Anodized Aluminum, Stainless Steel
Small Locking Connector Bolt	It (4 pack)	Stainless Steel
Small Inner Body Rotational C Complete Includes:	Component	Anodized Aluminum, Stainless Steel
Compon	Small Dynamization Component (0-3cm) Small Dynamization Component (0-5cm)	Stainless Steel

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Small Mod (replaces 0 Small Mod (replaces 0 DFS Small Includes: 0 Small Left Small Par Small Par	ular C/D Mechanism (0-3cm)		Convergent T-Clamp Offset Aluminum, Stainless Steel	Convergent T-Clamp Parallel SAME AS ABOVE BUT WITH EVEN PIN Anodized Aluminum, DEPTH SLOTS Stainless Steel	Clamp Body Aluminum, Stainless Steel	Set Clamp Body Aluminum, Stainless Steel	allel Clamp Body SAME AS ABOVE BUT WITH SHALLOW Anodized PIN SLOTS Steel Stainless Steel	
	Small Modular C/D Mechanism (replaces 02148)	Small Modular C/D Mechanism (0-5cm) (replaces 02150)	DFS Small Convergent T-Clamp Offset	DFS Small Convergent T-Clamp Parallel Includes: 02265, 02270, 02085	Small Left Clamp Body	Small Offset Clamp Body	Small Parallel Clamp Body	Small Parallel Clamp Cover

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Anodized Aluminum	Anodized Aluminum, Stainless Steel	TOP Anodized Aluminum, Stainless Steel
		SAME AS ABOVE BUT W/O TOP
Small Offset Clamp Cover	Smail 3-Hole T-Clamp Complete	Small 3-Hole T-Clamp Body
02275	02320	02325

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1004	Control Composit	Market and the second s	Anodized	
04005		6 (C)	Aluminum, Stainless Steel	
04010	Distal Fixator Rail		Stainless Steel	
04020	Proximal Fixator Rail			
04050	Clamp Cover Locking Screw		Stainless Steel	
04055	Fixator Rail Locking Screw		Stainless Steel	
04056	Distraction Module Fixator Rail Locking Screw		Stainless Steel	
04018	Collet Locking Screw (2 each)		Stainless Steel	
04013	Collet Exercise Serving			

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TEM)	Anodized			Anodized	Aluminum				0 :- - - -	Stainless Steel	Anodized	Aluminum,	Stainless Steel	Anodized	Stainless Steel		Anodized	Stainless Steel	
FIXATOR SYS			220mm 1/3 Ring						ZZUMM Z/S KAIIK							***************************************		0 - 0	
or STANDARD				Solition 1/3 Mains					50mm 2/3 King 24			CLETTER STREET	0				The second secon	0 3	
A conssoring f																			
THE HAMPIN TIVATOR (Miss. A cessories for STANDARD FIXATOR SYSTEM)	BKID FIAALON (1918)	50mm 1/3 Ring	180mm 1/3 Ring	220mm 1/3 Ring	130mm 2/3 Ring	150mm 2/3 Ring	180mm 2/3 Ring	220mm 2/3 Ring		Ring Locking Bolt (1/Pkg.)		Ring to Fixator Connector		Variable Wire Carriages (x6)	Variable Bone Screw Carriage	-	Left Ring Fixator Assembly	Right Ring Fixator Assembly	
	13005 HYB			13050 22	13010 13	13025 13				13060 R		13065 R		13070			13200		

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14010	Rod-to-Rod Connector	Stainle	Stainless Steel	
14240	Vision Post	Stainl	Stainless Steel	
14060	Three Hole Clamp	Anodized Aluminur Stainless	Anodized Aluminum, Stainless Steel	
14090	Five Hole Clamp			
14160	8mm Carbon Fiber Rod (Length 150mm)	Carbo	Carbon Fiber	
14165	Carbon Rod (9.5mm x 200mm)	150 May 150 Ma		
14170	9.5mm Carbon Rod (Length 250mm)			
14175	8mm Carbon Fiber Rod (Length 300mm)			
14180	8mm Carbon Fiber Rod (Length 340mm)			
14185	9.5mm Carbon Rod (Length 400mm)	Anoc	Anodized	т-
90100	Left Ankle Kit	Alum	Aluminum, Stainless Steel	
90105	Right Ankle Kit	Anoc Alun Stair	Anodized Aluminum, Stainless Steel	

Indications for Use

510(k) Number (if known):	KO51616
Device Name: <u>Vanguard Rep</u>	processed External Fixation Devices
Indications for Use:	
	on Devices are intended for the treat

Reprocessed External Fixation Devices are intended for the treatment of bone conditions that can be corrected or improved by external skeletal traction or fixation, including osteotomy, arthrodesis, fracture and reconstructive surgery.

Prescription Use X (Part 21 CFR 801 Subpart D)

AND/OR

Over-The-Counter Use (21 CFR 801 Subpart C)

(PLEASE DO NOT WRITE BELOW THIS LINE-CONTINUE ON ANOTHER PAGE IF NEEDED)

Concurrence of CDRH, Office of Device Evaluation (ODE)

(Division Sign-Off)

Division of General, Pestorative,

and Neurological Devices

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